

In the Claims

Please cancel Claims 8-23 without prejudice or disclaimer as to the subject matter recited therein.

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1. (Original) A system for accessing a region of memory in a computer, the system comprising:
 - a memory region table for supporting memory region translations, the memory region table residing on a module external to and in communication with an operating system; and
 - a memory window table, the memory window table being in communication with the memory region table, and residing on a module external to and in communication with the operating system.
 2. (Original) A system according to claim 1, wherein the memory window table includes a field for recording a memory region entry and a field for recording a memory window entry.
 3. (Original) A system according to claim 1, wherein the memory region table virtually resides in the operating system of the computer.
 4. (Original) A system according to claim 1 or 2, wherein the memory region table comprises:
 - a field for recording a physical address corresponding to a first memory location of a memory region;
 - a field for recording an access value corresponding to the memory region;
 - a field for recording a protection domain value corresponding to the memory region; and
 - a field for recording a length of the memory region.
 5. (Original) A system according to claim 1 or 2, wherein the memory window table further comprises:

a field for recording a region remote access key for accessing a memory region; and

a field for recording a window remote access key corresponding to the memory window.

6. (Original) A system according to claim 5, wherein the memory window table further comprises:

A₁ a field for recording a virtual address corresponding to a first memory location within a memory window;

a field for recording a length of the memory window; and

a field for recording an access value corresponding to the memory window.

7. (Original) A system according to claim 6, wherein the memory window table further comprises a field for recording a protection domain value corresponding to the memory window.

8-23. Cancelled.

24. (Original) A memory window table for accessing a memory region, the memory window table residing on a computer readable medium in communication with an operating system kernel, the memory window table comprising:

a field for recording a memory window record; and

a field for recording a memory region record.

25. (Original) A memory window table according to claim 24, wherein the memory window record includes a protection domain value for the memory window.

26. (Original) A memory window table according to claim 24, wherein the memory window record includes a virtual address corresponding to the first location of the memory window.

27. (Original) A memory window table according to claim 24, wherein the memory window record includes a length corresponding to the length of the memory window.

A1 28. (Original) A memory window table according to claim 24, wherein the memory window record includes a region key for accessing a memory region.

29. (Original) A memory window table according to claim 24, wherein the memory window record includes a window key for accessing a memory window.

30. (Original) A memory window table according to claim 24, wherein the memory region record includes a protection domain value for the memory region.

31. (Original) A memory window table according to claim 24, wherein the memory region record includes a virtual address corresponding to the first location of the memory region.

32. (Original) A memory window table according to claim 24, wherein the memory region record includes a length corresponding to the length of the memory region.

33. (Original) A memory window table according to claim 24, wherein the length of the memory window record is equal to the length of the memory region record.
